

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	predetermin\$3 near4 bias near2 voltage and (detect\$3 sens\$3) near4 (fly\$3 near2 height)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 07:34
L2	8	("20020105750"   "20040032681"   "5557399"   "5600441"   "5953125"   "5991122"   "6212042"   "6700724").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 07:21
L3	8	("4853810"   "5153785"   "6005736"   "6166874"   "6196062"   "6249393"   "6359746"   "6570730").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 07:28
L4	713	bias near2 voltage and (detect\$3 sens\$3) near4 ((fly\$3 near2 height) or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 07:35
L5	128	(dc ac) near3 bias near2 voltage and (detect\$3 sens\$3) near4 ((fly\$3 near2 height) or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 07:40
L6	78	4 and (electric near4 potential)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 07:45
L7	4	fly\$3 near2 height near2 (spac\$3 gap clearance) same (dc or (direct near2 current) or ac or (alternate near2 current)) near3 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 07:46
L8	12	("5153785"   "5377058"   "5673156"   "5949600"   "6005736"   "6031685"   "6105421"   "6140814"   "6154340"   "6272909"   "6366416"   "6411470").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 07:47
L9	1	("4853810").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 07:51
L10	22	("5153785").URPN.	USPAT	OR	ON	2005/07/07 07:51
L11	21085	(ac and dc) near4 power near3 (supply source)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 08:03

L12	2	11 and (fly\$3 near2 height near2 (spac\$3 clearance gap distance))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 08:04
L13	248	11 and (head near3 dis\$1 medi\$2 near3 (distance gap clearance spac\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 08:05
L22	3066	11 and dis\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 08:56
L23	9	22 and (slider same medi\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 09:21
L25	3	(detect\$3 sens\$3) same (interference perturbation) same (slider near3 medi\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 09:28
L26	15	("5901001").URPN.	USPAT	OR	ON	2005/07/07 09:24
L28	2	dc near3 bias and (interference asperit\$3 perturbation) same (slider near3 medi\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/07 09:28
L29	30	("4532802"   "4674875"   "4751441"   "4811148"   "4812927"   "4814908"   "4816743"   "4881136"   "4893205"   "4931338"   "4942609"   "5012369"   "5270882"   "5339702"   "5341256"   "5367409"   "5374946"   "5410439"   "5412519"   "5420736"   "5423111"   "5424638"   "5450256"   "5455730"   "5527110"   "5543989"   "5560097"   "5581021"   "5644455"   "5666237").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 09:30
L30	10	("4812927").URPN.	USPAT	OR	ON	2005/07/07 09:32
L31	14	("5168412").URPN.	USPAT	OR	ON	2005/07/07 09:54
L32	174	(suspension slider) same (bias near2 voltage)	USPAT	OR	ON	2005/07/07 09:57

L33	1	("4605977").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 10:18
L34	2	interference near4 slider near4 (dis\$1 medi\$2) same dc near3 bias near2 voltage	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 10:27
L35	3	interference and slider same (dis\$1 medi\$2) same dc near3 bias near2 voltage	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 10:27
S1	1	("6205002").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/06 13:35
S96	9	bias near2 voltage same fly near2 height	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/29 11:43
S97	14	bias near2 voltage same fly\$3 near2 height	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/29 11:53
S98	2	bias near2 voltage near4 (AC and DC) and fly\$3 near2 height and (slider suspension)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/29 11:55
S99	107	bias near2 voltage and fly\$3 near2 height and (slider suspension)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/29 11:55
S10 0	9	("4317149"   "4800454"   "5465186"   "5491605"   "5757590"   "5757591"   "5834952"   "5852521"   "5877933").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 12:07
S10 1	3	("6501606").URPN.	USPAT	OR	ON	2005/06/29 12:10

S10 2	33	("4593368"   "4681447"   "4777544"   "4866553"   "5218424"   "5377058"   "5410402"   "5453831"   "5473431"   "5488857"   "5495767"   "5552884"   "5638207"   "5673161"   "5805284"   "5815350"   "5828536"   "5880587"   "5883715"   "5892635"   "5898553"   "6008640"   "6249393"   "6271924"   "6359759"   "6411458"   "6452735"   "6459539"   "6473259"   "6501606"   "6529342"   "6570730"   "6624892").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 14:26
S10 3	8	(eliminat\$3 eradicat\$3 eras\$3 avoid\$3 terminat\$3) near4 (potential near2 difference) same slider and dis\$1	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 14:30
S10 4	129	dis\$1 and slid\$3 and (fly\$3 near2 (height spac\$3)) and (bias near2 voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 14:33
S10 5	1	("6466408").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/29 14:37
S10 6	11335	360/75,69,31,25.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/29 14:37
S10 7	2	S106 and (bias near3 voltage) same (slider near5 (dis\$1 medi\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/29 14:38
S10 8	24	S106 and (bias near3 voltage) and (fly\$3 near2 (height spac\$3 clearance))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/29 14:39
S10 9	3	("6501606").URPN.	USPAT	OR	ON	2005/06/29 14:47
S11 0	3113	(fly\$3 near2 (height spac\$3 clearance)) same (dis\$1 medi\$2)	USPAT	OR	ON	2005/06/29 14:48
S11 1	102	S110 and (AC and DC)	USPAT	OR	ON	2005/06/29 14:48

S11 2	19	("20020030938"   "20020097517"   "4605977"   "4823205"   "4931887"   "5276573"   "5523639"   "5764432"   "5920978"   "5991118"   "6005736"   "6088907"   "6269687"   "6359746"   "6366416"   "6529342"   "6700724"   "6714499"   "6775089").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 14:50
S11 3	1	("20020097513").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 14:55
S11 4	12	("5153785"   "5377058"   "5673156"   "5949600"   "6005736"   "6031685"   "6105421"   "6140814"   "6154340"   "6272909"   "6366416"   "6411470").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 15:05
S11 5	1	("6366416").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/29 15:05
S11 7	1	("5859357").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 15:09
S11 8	17	("3732552"   "4340956"   "4605977"   "4669011"   "4853810"   "4931887"   "5021906"   "5276573"   "5305294"   "5377058"   "5719720"   "5764432"   "5817931"   "5862015"   "6105421"   "6267004"   "6351341").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 15:18
S11 9	72	(slider suspension) same (fly\$3 near2 (height clearance spac\$3)) and bias near3 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/30 10:49
S12 0	1	("6700724").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/30 10:53
S12 1	3	(fly\$3 near2 (height spac\$3 clearance)) same (ac or (aternat\$3 adj2 current) and dc or (direct adj2 current)) near4 bias near2 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/30 10:56
S12 2	16	(fly\$3 near2 (height spac\$3 clearance)) and (ac or (aternat\$3 adj2 current) and dc or (direct adj2 current)) near4 bias near2 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/30 10:56

S12 3	1	("6219499").URPN.	USPAT	OR	ON	2005/06/30 11:03
S12 4	4	("4610531"   "5534982"   "5600415"   "5701553").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 11:03
S12 6	148	fly\$3 near3 (height spac\$3 clearance) same interference same slid\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/30 14:27
S12 7	2	S126 and (DC near4 bias near2 voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/30 14:26
S12 8	3	S126 and (DC near4 voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/06/30 14:26
S12 9	37	head near3 (dis\$1 medi\$2) same (spac\$3 or gap or distance or (fly adj2 height)) and (dc near3 ac near4 voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 13:42
S13 1	46	S130 and (ac and dc)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 13:43
S13 3	52	slider near4 (dis\$1 medi\$2) near4 (spac\$3 or gap or distance or (fly adj2 height)) and (bias near2 voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 14:01
S13 5	4	((AC and DC) near3 voltage) same fly near2 height	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 14:13
S13 6	12	("5153785"   "5377058"   "5673156"   "5949600"   "5991114"   "6005736"   "6031685"   "6105421"   "6140814"   "6154340"   "6272909"   "6366416").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 15:40
S13 7	6	((AC or (alternat\$3 adj2 current) and DC or (direct adj2 current)) near3 voltage) same fly near2 height	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 14:18

S13 8	2	((AC or (alternat\$3 adj2 current) and DC or (direct adj2 current)) near3 voltage) and fly near2 height and slider near3 medi\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 14:19
S13 9	19	("20020030938"   "20020097517"   "4605977"   "4823205"   "4931887"   "5276573"   "5523639"   "5764432"   "5920978"   "5991118"   "6005736"   "6088907"   "6269687"   "6359746"   "6366416"   "6529342"   "6700724"   "6714499"   "6775089").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:19
S14 0	57	interference same slider same medi\$2 and fly\$3 near2 height	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 15:23
S14 1	43	interference and fly\$3 near2 height and bias near2 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:15
S14 2	2	dc near2 voltage same (fly\$3 near2 height) same interference near4 slider	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 15:35
S14 3	2	(vary\$3 adjust\$3 chang\$3) near3 bias near2 voltage same fly\$3 near2 height	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 15:42
S14 4	18	(vary\$3 adjust\$3 chang\$3) near3 bias near2 voltage and fly\$3 near2 height	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 15:44
S14 5	24	(vary\$3 adjust\$3 chang\$3) near5 bias near2 voltage and ((fly\$3 near2 height) or (slider near2 medi\$2 near3 (distance clearance gap spac\$3)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 15:48
S14 6	3	("6529342").URPN.	USPAT	OR	ON	2005/07/06 16:11
S14 7	46	(interference perturbation) and fly\$3 near2 height and bias near2 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:19

S14 8	1636	(interference perturbation) same (slider head) near3 (medi\$2 dis\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:19
S14 9	1302	S148 and (clearance distance (fly\$2 near2 height) spac\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:22
S15 0	29	S149 and bias near2 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:22
S15 1	1313	S148 and (clearance distance (fly\$3 near2 height) spac\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:23
S15 2	31	S151 and bias near2 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:23
S15 3	368	S148 and (fly\$3 near2 height)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:23
S15 4	6	S153 and dc near2 voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/07/06 16:44